

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
 Hiroyuki KATO et al. : **Mail Stop: PCT**
 Serial No. 10/593,867 : Attorney Docket No. 2006_1530A
 Filed September 22, 2006 :

PROCESS FOR PRODUCING SOYBEAN
 PROTEIN AND PROCESS FOR PRODUCING
 PROCESSED MEAT FOOD
 USING THE SOYBEAN PROTEIN
[Corresponding to PCT/JP2005/005852
Filed March 29, 2005]

THE COMMISSIONER IS AUTHORIZED
 TO CHARGE ANY DEFICIENCY IN THE
 FEE FOR THIS PAPER TO DEPOSIT
 ACCOUNT NO. 23-0975.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, **or**
(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☒ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (International Search Report) (in the English language) submitted herewith,
 - c. ☒ the concise explanation contained in the specification of the present application at pages 2-5, 13-14 and 17-18,
 - d. ☒ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report (International Search Report) citing one or more of the references is enclosed.
6. ☒ Comments:

The JP '382 reference cited on the attached PTO-1449 form corresponds to the JP '645 reference cited on this form.

Respectfully submitted,

Hiroyuki KATO et al.

By:


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November 17, 2006

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: November 17, 2006

ATTY DOCKET NO.
2006_1530ASERIAL NO.
10/593,867APPLICANT
Hiroyuki KATO et al.FILING DATE
September 22, 2006

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/HRB/	AE 2-257831	10/1990	Japan			
	AC 50-52256	5/1975	Japan			
	AE 55-118351	9/1980	Japan			
	AE 4-63548	2/1992	Japan			
	AE 58-149645	9/1983	Japan			
	AG 1-50382	10/1990	Japan			
	AH 64-27471	9/1980	Japan			
↓	AI 1-300889	12/1989	Japan			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/HRB/	AJ	Elfadil Elfadl Babiker, "Effect of transglutaminase treatment on the functional properties of native and chymotrypsin-digested soy protein", Food Chemistry, 70, pages 139-145, 2000.
	AK	J.C. Ramirez-Suárez et al., "Effect of transglutaminase-induced cross-linking on gelation of myofibrillar/soy protein mixtures", Meat Science, 65, pages 899-907, 2003.
	AL	Y. Kumazawa et al., "Formation of ϵ -(γ -Glutamyl) Lysine Cross-Link in Cured Horse Mackerel Meat Induced by Drying", Journal of Food Science, Volume 58, No. 5, pages 1062-1064, 1993.
	AM	Hiromichi Okuda et al., "Direct Colorimetry for Ammonia Concentration in Blood" Saishin Igaku, 21, pages 622-627, 1966.
	AN	Nobuo Seki et al., "Crosslinking polymerization factor of myosin polymer chain in setting of fish meat glue", Abstracts of Autumn Meeting in 1988, the Japanese Society of Fisheries Society, p. 167, 1988.
↓	AO	Hajime Kishi et al., "Distribution and refining of trans-glutaminase in muscle of fishery animals", Abstracts of Spring Meeting in 1990, the Japanese Society of Fisheries Society", p. 219, 1990.

EXAMINER

/Hamid Badr/

DATE CONSIDERED

11/20/2009